

# Time Weighted/Integrated Real Time LBMP - Zonal

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Zonal Data

09/07/2018

| Name   | 00:00  | 01:00  | 02:00  | 03:00  | 04:00  | 05:00 | 06:00  | 07:00 | 08:00 | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00 | 17:00 | 18:00 | 19:00   | 20:00 | 21:00 | 22:00 | 23:00 |
|--------|--------|--------|--------|--------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|
| PTID   | EDT    | EDT    | EDT    | EDT    | EDT    | EDT   | EDT    | EDT   | EDT   | EDT   | EDT   | EDT   | EDT   | EDT   | EDT   | EDT   | EDT   | EDT   | EDT   | EDT     | EDT   | EDT   | EDT   | EDT   |
| CAPITL | 23.20  | 30.49  | 30.23  | 31.21  | 28.19  | 23.67 | 27.45  | 41.77 | 37.76 | 40.92 | 73.42 | 39.24 | 33.32 | 51.51 | 45.94 | 36.14 | 33.93 | 26.83 | 26.91 | 29.15   | 29.19 | 33.35 | 29.00 | 25.03 |
| 61757  | 1.70   | 1.52   | 1.27   | 1.67   | 1.33   | 1.65  | 1.85   | 2.80  | 2.52  | 2.74  | 4.61  | 2.50  | 2.08  | 3.10  | 2.78  | 2.21  | 2.01  | 1.66  | 1.76  | 2.14    | 1.92  | 2.03  | 1.79  | 1.58  |
|        | -0.06  | -10.37 | -13.30 | -8.78  | -10.44 | 0.00  | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 2.29    | 0.01  | 0.00  | 0.00  | 0.00  |
| CENTRL | 21.54  | 19.75  | 17.04  | 21.62  | 17.51  | 22.16 | 25.54  | 38.65 | 35.66 | 38.68 | 69.88 | 37.22 | 31.67 | 49.26 | 43.96 | 34.50 | 32.54 | 25.60 | 25.49 | 25.39   | 27.20 | 30.91 | 27.30 | 23.51 |
| 61754  | 0.10   | 0.09   | 0.03   | -0.03  | 0.03   | 0.14  | 0.23   | 0.46  | 0.42  | 0.50  | 1.14  | 0.48  | 0.43  | 0.85  | 0.80  | 0.56  | 0.62  | 0.43  | 0.36  | 0.37    | 0.40  | 0.34  | 0.09  | 0.06  |
|        | -0.01  | -1.06  | -1.36  | -0.89  | -1.06  | 0.00  | 0.29   | 0.78  | 0.01  | 0.00  | 0.08  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.03  | 4.27    | 0.48  | 0.75  | 0.00  | 0.00  |
| DUNWOD | 23.38  | 27.47  | 26.26  | 28.53  | 25.07  | 23.69 | 27.50  | 42.01 | 38.00 | 41.26 | 74.24 | 39.59 | 33.84 | 52.16 | 46.37 | 36.59 | 34.42 | 27.12 | 27.06 | 31.60   | 29.44 | 33.72 | 29.44 | 25.42 |
| 61760  | 1.90   | 1.56   | 1.25   | 1.59   | 1.31   | 1.66  | 1.90   | 3.04  | 2.76  | 3.07  | 5.42  | 2.85  | 2.60  | 3.74  | 3.21  | 2.66  | 2.51  | 1.95  | 1.90  | 2.31    | 2.15  | 2.40  | 2.23  | 1.97  |
|        | -0.04  | -7.31  | -9.35  | -6.17  | -7.34  | 0.00  | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00    | 0.00  | 0.00  | 0.00  | 0.00  |
| GENESE | 21.09  | 19.00  | 16.22  | 20.77  | 16.77  | 21.74 | 24.79  | 37.02 | 35.19 | 38.28 | 69.04 | 36.91 | 31.48 | 49.18 | 43.94 | 34.35 | 32.38 | 25.49 | 25.20 | 25.21   | 26.14 | 29.36 | 26.74 | 22.89 |
| 61753  | -0.36  | -0.35  | -0.41  | -0.63  | -0.41  | -0.28 | -0.18  | -0.24 | -0.03 | 0.10  | 0.41  | 0.17  | 0.23  | 0.77  | 0.78  | 0.42  | 0.46  | 0.32  | 0.12  | -0.18   | -0.09 | -0.31 | -0.47 | -0.56 |
|        | 0.00   | -0.75  | -0.97  | -0.64  | -0.76  | 0.00  | 0.63   | 1.71  | 0.02  | 0.00  | 0.18  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.07  | 3.90    | 1.05  | 1.65  | 0.00  | 0.00  |
| H Q    | 20.80  | 18.05  | 15.23  | 20.24  | 15.97  | 21.34 | 24.80  | 38.44 | 34.08 | 36.89 | 66.35 | 35.49 | 30.15 | 46.78 | 41.67 | 32.72 | 30.80 | 24.32 | 24.24 | -160.54 | 25.45 | 30.40 | 26.40 | 22.74 |
| 61844  | -0.64  | -0.55  | -0.44  | -0.52  | -0.45  | -0.69 | -0.80  | -1.25 | -1.15 | -1.30 | -2.38 | -1.25 | -1.09 | -1.63 | -1.49 | -1.21 | -1.12 | -0.88 | -0.84 | -1.03   | -0.95 | -0.92 | -0.81 | -0.71 |
|        | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  | 0.00   | -0.73 | 0.00  | 0.00  | 0.09  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.04 | 0.07  | 188.80  | 0.88  | 0.00  | 0.00  | 0.00  |
| HUD VL | 23.27  | 27.30  | 26.10  | 28.38  | 24.92  | 23.60 | 27.43  | 41.88 | 37.90 | 41.12 | 74.11 | 39.56 | 33.73 | 52.04 | 46.34 | 36.55 | 34.38 | 27.10 | 27.06 | 31.61   | 29.43 | 33.68 | 29.36 | 25.35 |
| 61758  | 1.79   | 1.47   | 1.18   | 1.51   | 1.23   | 1.57  | 1.83   | 2.92  | 2.67  | 2.94  | 5.29  | 2.82  | 2.49  | 3.63  | 3.18  | 2.62  | 2.47  | 1.93  | 1.90  | 2.32    | 2.15  | 2.36  | 2.16  | 1.90  |
|        | -0.04  | -7.23  | -9.25  | -6.11  | -7.27  | 0.00  | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00    | 0.00  | 0.00  | 0.00  | 0.00  |
| LONGIL | 41.76  | 36.79  | 35.44  | 35.35  | 34.11  | 32.25 | 32.12  | 44.51 | 38.88 | 42.26 | 75.83 | 40.06 | 35.80 | 53.05 | 46.90 | 37.60 | 35.83 | 31.31 | 26.96 | 31.66   | 29.62 | 34.34 | 30.02 | 25.84 |
| 61762  | 2.58   | 2.15   | 1.75   | 2.23   | 1.81   | 2.36  | 2.29   | 4.09  | 3.64  | 4.03  | 6.98  | 3.29  | 3.33  | 4.51  | 3.62  | 3.18  | 2.91  | 1.95  | 1.81  | 2.37    | 2.34  | 3.02  | 2.81  | 2.39  |
|        | -17.74 | -16.05 | -18.03 | -12.36 | -15.87 | -7.87 | -4.23  | -1.45 | 0.00  | -0.05 | -0.04 | -0.03 | -1.22 | -0.13 | -0.12 | -0.48 | -1.01 | -4.20 | 0.01  | 0.00    | 0.00  | -0.01 | 0.00  | 0.00  |
| MHK VL | 22.18  | 20.20  | 17.43  | 22.26  | 17.97  | 22.80 | 26.65  | 40.69 | 36.80 | 39.93 | 72.04 | 38.41 | 32.66 | 50.59 | 45.05 | 35.42 | 33.35 | 26.27 | 26.26 | 7.51    | 28.37 | 32.65 | 28.26 | 24.28 |
| 61756  | 0.73   | 0.60   | 0.49   | 0.65   | 0.54   | 0.77  | 1.05   | 1.73  | 1.56  | 1.75  | 3.23  | 1.67  | 1.41  | 2.19  | 1.89  | 1.49  | 1.44  | 1.11  | 1.11  | 1.28    | 1.20  | 1.32  | 1.05  | 0.83  |
|        | -0.01  | -0.99  | -1.28  | -0.85  | -1.01  | 0.00  | 0.00   | 0.00  | 0.00  | 0.00  | 0.01  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.01  | 23.07   | 0.11  | 0.00  | 0.00  | 0.00  |
| MILLWD | 23.36  | 27.52  | 26.33  | 28.56  | 25.12  | 23.66 | 27.49  | 42.01 | 38.01 | 41.25 | 74.26 | 39.61 | 33.83 | 52.18 | 46.40 | 36.60 | 34.42 | 27.12 | 27.08 | 31.63   | 29.46 | 33.73 | 29.44 | 25.40 |
| 61759  | 1.88   | 1.54   | 1.23   | 1.57   | 1.28   | 1.64  | 1.89   | 3.05  | 2.77  | 3.07  | 5.45  | 2.87  | 2.59  | 3.77  | 3.24  | 2.67  | 2.51  | 1.95  | 1.92  | 2.33    | 2.18  | 2.41  | 2.23  | 1.95  |
|        | -0.04  | -7.38  | -9.44  | -6.24  | -7.41  | 0.00  | 0.00   | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00    | 0.00  | 0.00  | 0.00  | 0.00  |
| N.Y.C. | 37.53  | 34.71  | 28.91  | 29.37  | 28.65  | 30.65 | 39.51  | 43.77 | 41.66 | 41.74 | 75.93 | 40.11 | 34.31 | 52.82 | 46.94 | 37.06 | 34.89 | 29.09 | 27.42 | 30.54   | 30.15 | 29.32 | 30.37 | 32.55 |
| 61761  | 2.23   | 1.82   | 1.47   | 1.87   | 1.54   | 1.97  | 2.26   | 3.59  | 3.26  | 3.61  | 6.29  | 3.37  | 3.07  | 4.41  | 3.78  | 3.13  | 2.98  | 2.36  | 2.28  | 2.70    | 2.51  | 2.78  | 2.62  | 2.31  |
|        | -13.86 | -14.28 | -11.78 | -6.74  | -10.69 | -6.66 | -11.65 | -1.21 | -3.17 | 0.07  | -0.83 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -1.57 | 0.02  | 1.46    | -0.36 | 4.79  | -0.54 | -6.79 |
| NORTH  | 20.88  | 18.11  | 15.28  | 20.41  | 16.10  | 21.52 | 25.09  | 38.17 | 34.44 | 37.35 | 67.11 | 35.95 | 30.49 | 47.27 | 42.08 | 32.97 | 31.03 | 24.48 | 24.57 | -141.86 | 25.76 | 30.78 | 26.71 | 22.95 |
| 61755  | -0.56  | -0.49  | -0.38  | -0.35  | -0.33  | -0.50 | -0.51  | -0.80 | -0.80 | -0.84 | -1.63 | -0.80 | -0.75 | -1.14 | -1.08 | -0.97 | -0.89 | -0.68 | -0.52 | -0.74   | -0.72 | -0.54 | -0.50 | -0.50 |
|        | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00  | 0.00   | 0.00  | 0.00  | 0.00  | 0.08  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.06  | 170.42  | 0.80  | 0.00  | 0.00  | 0.00  |
| NPX    | 23.19  | 29.03  | 28.45  | 29.98  | 26.79  | 23.58 | 27.73  | 41.89 | 37.52 | 40.67 | 72.84 | 39.01 | 33.13 | 51.20 | 45.75 | 35.97 | 33.52 | 26.62 | 26.80 | 31.18   | 28.99 | 32.72 | 28.95 | 25.35 |
| 61845  | 1.69   | 1.47   | 1.22   | 1.59   | 1.29   | 1.56  | 1.72   | 2.56  | 2.28  | 2.48  | 4.17  | 2.27  | 1.89  | 2.79  | 2.59  | 2.04  | 1.75  | 1.42  | 1.54  | 1.89    | 1.68  | 1.80  | 1.72  | 1.57  |
|        | -0.05  | -8.96  | -11.56 | -7.64  | -9.08  | 0.00  | -0.40  | -0.37 | 0.00  | 0.00  | 0.15  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.14  | -0.04 | -0.10 | 0.00    | -0.02 | 0.39  | -0.03 | -0.33 |

|               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| O H<br>61846  | 20.30 | 18.58 | 15.95 | 20.24 | 16.46 | 21.11 | 24.07 | 35.86 | 34.00 | 36.96 | 66.74 | 35.49 | 30.26 | 47.40 | 42.37 | 33.07 | 31.34 | 24.67 | 24.39 | 24.30 | 25.23 | 28.35 | 25.77 | 22.21 |
|               | -1.14 | -1.00 | -0.96 | -1.35 | -0.93 | -0.91 | -0.95 | -1.51 | -1.23 | -1.22 | -1.91 | -1.25 | -0.98 | -1.00 | -0.79 | -0.87 | -0.58 | -0.50 | -0.70 | -1.27 | -1.07 | -1.43 | -1.44 | -1.24 |
|               | -0.01 | -0.97 | -1.24 | -0.82 | -0.98 | 0.00  | 0.58  | 1.60  | 0.01  | 0.00  | 0.17  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.07  | 3.73  | 0.98  | 1.55  | 0.00  | 0.00  |
| PJM<br>61847  | 22.89 | 23.74 | 21.49 | 24.60 | 21.21 | 22.90 | 23.97 | 38.39 | 35.79 | 38.72 | 70.25 | 37.47 | 31.97 | 49.59 | 44.23 | 34.76 | 32.88 | 26.04 | 23.34 | 21.73 | 22.27 | 19.28 | 23.75 | 24.01 |
|               | 0.33  | 0.27  | 0.16  | 0.15  | 0.19  | 0.32  | 0.43  | 0.80  | 0.69  | 0.81  | 1.73  | 0.72  | 0.73  | 1.19  | 1.07  | 0.83  | 0.97  | 0.68  | 0.61  | 0.64  | 0.64  | 0.58  | 0.44  | 0.50  |
|               | -1.12 | -4.87 | -5.67 | -3.69 | -4.61 | -0.55 | 2.06  | 1.37  | 0.14  | 0.28  | 0.30  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | -0.20 | 2.43  | 8.20  | 5.64  | 12.63 | 3.90  | -0.06 |
| WEST<br>61752 | 20.70 | 18.88 | 16.16 | 20.52 | 16.68 | 21.48 | 24.54 | 36.67 | 34.80 | 37.90 | 68.57 | 36.49 | 31.15 | 48.85 | 43.62 | 33.97 | 32.18 | 25.30 | 24.98 | 24.89 | 25.79 | 28.92 | 26.34 | 22.67 |
|               | -0.75 | -0.66 | -0.71 | -1.04 | -0.68 | -0.54 | -0.47 | -0.70 | -0.42 | -0.27 | -0.07 | -0.26 | -0.09 | 0.44  | 0.46  | 0.04  | 0.26  | 0.14  | -0.11 | -0.66 | -0.50 | -0.85 | -0.87 | -0.78 |
|               | -0.01 | -0.94 | -1.21 | -0.80 | -0.95 | 0.00  | 0.59  | 1.60  | 0.01  | 0.00  | 0.17  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.07  | 3.75  | 0.99  | 1.55  | 0.00  | 0.00  |